

SAMSUNG recommends Windows Vista® Home Premium

## R-Series Notebooks



### Explore the world in stunning high-definition.

If you're all about playing high-definition games and movies in style, meet the R-Series notebooks from Samsung. Featuring a glass-like finish over deep black (R620, R519) or Touch of Color rose-black gradation (R610), they're stunning to behold. Inside, integrated graphics provide incredible HD performance and multimedia capabilities. Large hard drives give you room for all your favorite HD videos. And you'll see them all in brilliant color on a large 16" (R620, R610) or 15.6" (R519) widescreen LCD display. Rich HD Audio adds to your premium experience, and a webcam lets you communicate with your online gaming opponents.

Samsung notebooks. Passion for perfection.



# Samsung R-Series Notebooks



Operating System	Genuine Microsoft Vista® Home Premium 64-BIT	Genuine Microsoft Vista® Home Premium	Genuine Windows Vista® Home Premium 64-BIT
Model Name	R610-62G	R519-53S	R620-63G
Part Number	NP-R610-AS03US	NP-R519-FA01US	NP-R620-FS02US
CPU	Intel® Core™ Duo Processor T6400	Intel® Pentium Dual Core Processor T4200	Intel® Core™ 2 Duo Processor T6500
CPU Clock Speed (Max.)	2.0GHz	2.0GHz	2.1GHz
CPU Front-Side Bus Speed (Max.)	800MHz	800MHz	800MHz
CPU Cache	2MB	1MB	2MB
Memory Type	DDR2	DDR2	DDR2
Standard System Memory	Up to 4GB (Total amount of available memory may be less based on configuration)	Up to 3GB (Total amount of available memory may be less based on configuration)	Up to 4GB (Total amount of available memory may be less based on configuration)
Hard Drive (Max.)*	250GB	320GB	320GB
Hard Drive Specs	2.5" HDD, 5400RPM	2.5" HDD, 5400RPM	2.5" HDD, 5400RPM
Optical Disk Drive	DVD Dual Layer +/-RW	DVD Dual Layer +/-RW	DVD Dual Layer +/-RW
Display	16.0" HD 1366 x 768 (16:9)	15.6" HD 1366 x 768 (16:9)	16.0" HD 1366 x 768 (16:9)
Graphics Chip	NVIDIA® GeForce® 9200M GS	Intel GMA 4500M	ATI Mobility Radeon HD4330
Graphics Memory (Max.)	512MB GDDR2	384MB Shared	512 MB GDDR3
Audio Technology	HD Audio	HD Audio, Mic Noise Suppression	HD Audio, Mic Noise Suppression SRS Sound Effect
Speaker	4W (2W x 2)	4W (2W x2)	3W (1.5W x 2)
Web Camera	1.3 Megapixel	0.3 Megapixel	1.3 Megapixel
I/O Ports	Express Card 54mm, VGA, HDMI, Headphone In, Microphone In, 4 USB 2.0, 3 in 1 Card Slot (SD, SDHC, MMC), RJ45 (LAN)	VGA, Headphone In, Microphone In, 3 USB 2.0, 3 in 1 Card Slot (SD, SDHC, MMC), RJ45 (LAN)	Express Card 54mm, VGA, HDMI, Headphone In, Microphone In, 4 USB 2.0, 3 in 1 Card Slot (SD, SDHC, MMC), RJ45 (LAN)
Wireless LAN	802.11 a/b/g/n	802.11 b/g	802.11 b/g/n
Bluetooth	Bluetooth 2.0 + EDR	None	Bluetooth 2.1 + EDR
Wired Ethernet LAN	10/100/1000 BaseTX	10/100 Ethernet	10/100/1000 BaseTX
AC Adapter	90W	60W	60W
AC Adapter Weight	0.83 lbs.	0.83 lbs.	0.83 lbs.
Battery Type	6 Cell Lithium Ion	6 Cell Lithium Ion	6 Cell Lithium Ion
Accessories	6-cell Battery, 5200mAh (AA-PB2NC6B/US); 9-cell Battery, 7800mAh (AA-PL2NC9B/US); P-Dock Notebook PC Docking Station (AA-RDOND0C/US); 90W AC Adapter (AA-PA1N90W/US); Vehicle Power Adapter (AA-PCONCAR/US)	6-cell Battery, 5200mAh (AA-PB2NC6B/US); 9-cell Battery, 7800mAh (AA-PL2NC9B/US); P-Dock Notebook PC Docking Station (AA-RDOND0C/US); 90W AC Adapter (AA-PA1N90W/US); Vehicle Power Adapter (AA-PCONCAR/US)	6-cell Battery, 5200mAh (AA-PB2NC6B/US); 9-cell Battery, 7800mAh (AA-PL2NC9B/US); P-Dock Notebook PC Docking Station (AA-RDOND0C/US); 90W AC Adapter (AA-PA1N90W/US); Vehicle Power Adapter (AA-PCONCAR/US)
Warranty	1 year standard parts and labor	1 year standard parts and labor	1 year standard parts and labor
Included Software	Magic Keyboard, Easy Display Manager, Easy Network Manager, Easy SpeedUp Manager, Samsung Magic Doctor, Samsung Update Plus, Recovery Solutions III, Adobe Acrobat Reader 8, Cyberlink DVD Suite, Microsoft® Office Professional 2007 (free 60-day trial), McAfee Internet Security 9.0 (free 60-day trial)	Magic Keyboard, Easy Display Manager, Easy Network Manager, Easy SpeedUp Manager, Samsung Magic Doctor, Samsung Update Plus, Recovery Solutions III, Adobe Acrobat Reader 8, Cyberlink DVD Suite, Microsoft® Office Professional 2007 (free 60-day trial), McAfee Internet Security 9.0 (free 60-day trial)	Magic Keyboard, Easy Display Manager, Easy Network Manager, Easy SpeedUp Manager, Samsung Magic Doctor, Samsung Update Plus, Recovery Solutions III, Adobe Acrobat Reader 8, Cyberlink DVD Suite, Microsoft® Office Professional 2007 (free 60-day trial), McAfee Internet Security 9.0 (free 60-day trial)
Security	Kensington Lock Port, BIOS/HDD Password	Kensington Lock Port, BIOS/HDD Password	Kensington Lock Port, BIOS/HDD Password
Dimensions (W x H x D)	14.9" x 10.4" x 1.25~1.51"	14.8" x 10.1" x 1.2 ~ 1.5"	15.0" x 10.2" x 1.2 ~ 1.4"
Weight	6.1 lbs.	5.5 lbs.	6.1 lbs.
EPEAT	Silver	Silver	Silver

## Features:



### Sleek Thin and Light Design

Sleek, thin and light design with gloss-black (R620, R519) or glossy rose-black gradation (R610) finish provides reliability, added ergonomics and premium styling.



### Touch of Color™

Turn your notebook PC into a beautiful accessory with Samsung's Touch of Color™ design (R610). Its polished, glossy black design and red gradation highlights add style wherever you go.



### Intel® Centrino®

#### Processor Technology

The R-Series features Intel Centrino processor technology, delivering unrivaled system performance, enhanced energy efficiency and advanced connectivity to keep you working, longer.



### Simple Data Sharing

With a host of advanced connectivity tools, including a 3-in-1 memory card reader, 4 x USB 2.0 ports, an HDMI/VGA port and Bluetooth 2.0 + EDR, you can seamlessly move data from your digital camera, camcorder, MP3 player or PDA straight to the notebook.



### Dedicated Graphics

With 512MB of dedicated graphics memory and the nVidia GeForce 9200M GS (R610), ATI Mobility Radeon HD4330 (R620) or Intel GMA 4500M (R519), expect superior graphics performance on your multimedia applications and gaming.



### High-Definition (HD)

#### LCD Display

A 16-inch wide LCD display (15.6" on R519) lets you watch full-screen HD movies and videos in a clearer, brighter and more comfortable 16:9 aspect ratio, 1366 x 768 resolution display.



### Samsung Noise Reduction System

Ideal for total peace and quiet, while you work. The Samsung Noise Reduction System absorbs noises from the hard disk drive vibration, and a new cooling fan significantly reduces the fan noise and rotation speed.

For more information about the R-Series, go to [samsung.com/notebook](http://samsung.com/notebook)

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\*Accessible capacity varies; MB = 1 million bytes; GB = 1 billion bytes; TB = 1 trillion bytes. Please note that a portion of the hard drive is reserved for system recovery, operating system and preloaded content software. See [samsung.com/ITDlegalinfo](http://samsung.com/ITDlegalinfo) for further details. COM-RSERIESDST-Aug09172

